

DECLASSIFIED

Date: 7/9/14 Initial: jl

SDMS Document



118363

Enclosure II

CONFIDENTIAL

HRS COVER SHEET

FACILITY NAME:

American Cyanamid, Woodbridge, NJ

EPA I.D. #:

NJD 002173151

ORIGINAL PRIORITY:

Low

REVIEWED BY:

ELT 2 - NVS

REASSESSED PRIORITY:

NFRAP

REVIEWED BY:

K. Donnelly, US EPA

COMMENTS:

This site did not score due to
the lack of drinking water targets; however,
an ERCA/RCRA inspection is warranted.
Vanadium pentoxide was landfilled improperly
and inhalation of particulates can cause
acute reactions. Vanadium in its elemental
form emits radiation.

PREPARER:

Kate Donnelly

DATE:

3/3/88

American Cyanamid

| Ground Water Route Work Sheet | | | | | | |
|---|---|-------------|------|------------|------|--|
| Rating Factor | Assigned Value (Circle One) | Multi-plier | HRS | Max. Score | PRO | |
| 1 Observed Release | (0) 45 | 1 | 0 | 45 | 0 | |
| If observed release is given a score of 45, proceed to line 4 . If observed release is given a score of 0, proceed to line 2 . | | | | | | |
| 2 Route Characteristics | | | | | | |
| Depth to Aquifer of Concern | 0 1 (2) 3 | 2 | 2 | 6 | 2 | |
| Net Precipitation | 0 1 2 (3) | 1 | 3 | 3 | 3 | |
| Permeability of the Unsaturated Zone | 0 1 (2) 3 | 1 | 2 | 3 | 2 | |
| Physical State | 0 1 (2) 3 | 1 | 2 | 3 | 2 | |
| Total Route Characteristics Score | | | 9 | 15 | 9 | |
| 3 Containment | 0 1 2 (3) | 1 | 3 | 3 | 3 | |
| 4 Waste Characteristics | | | | | | |
| Toxicity/Persistence | 0 3 6 9 12 15 (18) | 1 | 18 | 18 | 18 | |
| Hazardous Waste Quantity | 0 1 (2) 3 4 5 6 7 8 | 1 | 2 | 8 | 2 | |
| Total Waste Characteristics Score | | | 20 | 26 | 20 | |
| 5 Targets | | | | | | |
| Ground Water Use | 0 (1) (2) 3 | 3 | 1 | 9 | 2 | |
| Distance to Nearest Well/Population Served | (0) 4 6 8 10 12 16 18 20 24 30 32 35 40 | 1 | 6 | 40 | 0 | |
| Total Targets Score | | | 1 | 49 | 2 | |
| 6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5 | | | 540 | 57.330 | 1080 | |
| 7 Divide line 6 by 57.330 and multiply by 100 | Sgw = | | 0.94 | 1.9 | | |

| Surface Water Route Work Sheet | | | | | | |
|---|---|-----------------|-------------------------------|---------------|-------------|--|
| Rating Factor | Assigned Value (Circle One) | Multi- plier | HRS | Max. Score | PRO | |
| 1 Observed Release | <u>0</u> 45 | 1 | <u>0</u> | 45 | <u>0</u> | |
| If observed release is given a value of 45, proceed to line 4 . If observed release is given a value of 0, proceed to line 2 . | | | | | | |
| 2 Route Characteristics | | | | | | |
| Facility Slope and Intervening Terrain | <u>0</u> <u>1</u> 2 3 | 1 | <u>0</u> | 3 | <u>1</u> | |
| 1-yr. 24-hr. Rainfall | 0 1 2 <u>3</u> | 1 | <u>3</u> | 3 | <u>3</u> | |
| Distance to Nearest Surface Water | 0 1 <u>2</u> <u>3</u> | 2 | <u>3</u> | 6 | <u>3</u> | |
| Physical State | 0 1 <u>2</u> 3 | 1 | <u>2</u> | 3 | <u>2</u> | |
| Total Route Characteristics Score | | | <u>8</u> | 15 | <u>9</u> | |
| 3 Containment | 0 1 2 <u>3</u> | 1 | <u>3</u> | 3 | <u>3</u> | |
| 4 Waste Characteristics | | | | | | |
| Toxicity/Persistence | 0 3 6 9 12 15 <u>18</u> | 1 | <u>18</u> | 18 | <u>18</u> | |
| Hazardous Waste Quantity | 0 1 <u>2</u> 3 4 5 6 7 8 | 1 | <u>2</u> | 8 | <u>2</u> | |
| Total Waste Characteristics Score | | | <u>20</u> | 26 | <u>20</u> | |
| 5 Targets | | | | | | |
| Surface Water Use | 0 <u>1</u> 2 3 | 3 | <u>1</u> | 9 | <u>1</u> | |
| Distance to a Sensitive Environment | <u>0</u> 1 2 3 | 2 | <u>0</u> | 6 | <u>0</u> | |
| Population Served/Distance to Water Intake Downstream | <u>0</u> 4 6 8 10 12 16 18 20 24 24 30 32 35 40 | 1 | <u>0</u> | 40 | <u>0</u> | |
| Total Targets Score | | | <u>1</u> | 55 | <u>1</u> | |
| 6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5 | | | <u>480</u> | 64,350 | <u>540</u> | |
| 7 Divide line 6 by 64,350 and multiply by 100 | | | S _{sw} = <u>0.75</u> | | <u>0.84</u> | |

| Air Route Work Sheet | | | | | | |
|--|--------------------------------|-------------|-------|-------------|----------------|--|
| Rating Factor | Assigned Value (Circle One) | Multi-plier | Score | Max. Score | Ref. (Section) | |
| 1 Observed Release | (0) 45 | 1 | (0) | 45 | 5.1 | |
| Date and Location: | | | | | | |
| Sampling Protocol: | | | | | | |
| If line 1 is 0, the $S_a = 0$. Enter on line 5 If line 1 is 45, then proceed to line 2 | | | | | | |
| 2 Waste Characteristics | | | | | 5.2 | |
| Reactivity and Incompatibility | 0 1 2 3 | 1 | | 3 | | |
| Toxicity | 0 1 2 3 | 3 | | 9 | | |
| Hazardous Waste Quantity | 0 1 2 3 4 5 6 7 8 | 1 | | 8 | | |
| Total Waste Characteristics Score | | | | 20 | | |
| 3 Targets | | | | | 5.3 | |
| Population Within 4-Mile Radius | 0 9 12 15 18 21 24 27 30 | 1 | | 30 | | |
| Distance to Sensitive Environment | 0 1 2 3 | 2 | | 6 | | |
| Land Use | 0 1 2 3 | 1 | | 3 | | |
| Total Targets Score | | | | 39 | | |
| 4 Multiply 1 x 2 x 3 | | | | 35,100 | | |
| 5 Divide line 4 by 35,100 and multiply by 100 | | | | $S_a = (0)$ | | |

FIGURE 9
AIR ROUTE WORK SHEET